

Title (en)

Monobloc battery having a heat exchange device by means of a circulating fluid

Title (de)

Monoblock Batterie mit Wärmtauschvorrichtung mittels Durchleiten einer Flüssigkeit

Title (fr)

Batterie monobloc comportant un dispositif d'échange thermique par circulation d'un fluide

Publication

**EP 0964460 B1 20050504 (FR)**

Application

**EP 99401342 A 19990604**

Priority

FR 9807341 A 19980611

Abstract (en)

[origin: EP0964460A1] The battery is formed from multiple cells placed side-by-side. The flat face of each cell has raised walls (41) shaped so that when two cells are placed together a conduit (26) is formed between the cells for a cooling liquid. The end cells are covered by a plate. A common liquid delivery and collection conduit is formed by hollow sections (46) running transversely across the top of each cell.

IPC 1-7

**H01M 2/02**; **H01M 10/50**

IPC 8 full level

**H01M 10/04** (2006.01); **F28F 3/12** (2006.01); **H01M 10/50** (2006.01); **H01M 50/112** (2021.01)

CPC (source: EP US)

**B60L 50/64** (2019.01 - EP US); **B60L 58/26** (2019.01 - EP US); **F28F 3/12** (2013.01 - EP US); **H01M 10/613** (2015.04 - EP US); **H01M 10/625** (2015.04 - EP US); **H01M 10/6557** (2015.04 - EP US); **H01M 10/6567** (2015.04 - EP US); **H01M 50/112** (2021.01 - EP US); **H01M 50/26** (2021.01 - EP US); **Y02E 60/10** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP); **Y02T 10/70** (2013.01 - EP US); **Y02T 90/16** (2013.01 - EP US); **Y10T 29/49108** (2015.01 - EP US); **Y10T 29/4911** (2015.01 - EP US)

Cited by

US8835039B2; CN102301502A; FR2979983A1; FR2908557A1; EP1397841A4; EP2149771A1; EP1117138A1; EP2584644A1; US2013143093A1; US8615869B2; US8863543B2; EP2518818A1; US8197958B2; US7264901B2; WO2008059123A1; WO2010012772A1; WO2013037469A1; US6709783B2

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DE FR GB

DOCDB simple family (publication)

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DOCDB simple family (application)

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